Intermec

Product
Profile

- Modular design minimizes operator visual obstruction

- Small size and flexible mounting

- Shock, temperature and environmental protection

- Configurable according to user requirements

- Supports industry standard communications and 2.4 GHz or 802.11b 11Mbps radio

2455 VEHICLE MOUNT COMPUTER

The 2455 is a versatile, high performance and economical solution for data collection applications using industrial vehicles such as forklift trucks and stock pickers.

The two piece design of the terminal allows the operator to separate the display and keyboard or conventionally mount as one unit. The modularity and small size easily adapts to space constraints common with today's smaller forklifts. Unique bracket design on the terminal provides unlimited viewing angle and positioning choices.

Industrial casing protects the terminal from dust, dirt and rain. The 2455 can tolerate very cold temperatures outdoors or usage in freezers. Wide ranging power supply options make installation in virtually all industrial vehicles easy. The 2455 is built to sustain real-world conditions

such as constant shock, vibrations and power fluctuations common to industrial vehicles.

The terminal integrates with most common host environments, either directly to the network, or through a data collection server which provides additional network management benefits. IBM and VT terminal emulation eliminates the need to re-program host applications. In addition, TCP/IP network support provides similar ease of integration in client/server environments.

The 2455 incorporates 2.4 GHz and 802.11b 11Mbps radio support for wide area coverage and interference immunity and interoperability with other WLI Forum OpenAir products.

2455 VEHICLE MOUNT COMPUTER

Physical Characteristics
Display Unit: 28.4 x 15.2 x 10.7cm
(11.2" x 6" x 4.2") 4.04kg (8.9lbs)
Keyboard: 28.4 x 10.4 x 4.3cm
(11.2" x 4.1" x 1.7") 1kg (2.2lbs)
Power Supply: 16.5 x 11.4 x 2.5cm
(6.5" x 4.5" x 1") .73kg (1.6lbs)

Environment
Operating Temperature:
Standard Unit: -10° to +50°C
(14° to 122°F)
Cold Temperature Option:
-30° to +50°C (-22° to 122°F)
Storage Temperature:
-20° to 60°C (-4° to 140°F)
Humidity: 10 to 90% non-condensing
Shock & Vibration: Vibration tested to
SAE J-1399 Class 2, MIL STD 810D
Sealing: Sealed against dust and moisture
to IP66

Power
Primary: 12V to 80VDC universal
power supply with surge, over-voltage,
and reversal protection
Memory Backup: Rechargeable NiCad

Memory
RAM Memory: 1MB
Non-volatile Memory: 2MB Option for
2MB additional, 4MB total
Extended Storage: 2, 4MB SRAM

Interfaces
Local Device Communications:
Auxiliary RS-232
Laser Scanners: 10-pin connector for
use with Intermec cabled & wireless laser
scanners
- Optical Serial Interface
- RS232-C up tp 38.4 baud
- XMODEM, YMODEM for data transfer
- Supports Configurable Serial Protocol
  and XON/OFF

Display
Full Screen: 25 lines by 80 characters or
configurable oversized characters includ-
ing 13 x 80, 25 x 40, or 13 x 40
Display Options: Transmissive LCD CGA
display for standard environments
EL (electroluminescent) CGA display
for cold or bright locations

Keyboard
Layout: ABCD keyboard layout with five
function keys, oversized numeric keypad
- F1-F10 function keys also available on
  display unit
- Standard PC-AT keyboard interface for
  optional keyboards (req. adapter
  cable)
- Options for U.S. Multilingual,
  European, IBM 5250, IBM 3270, and
  ANSI/VT

Software
Programmable: Microsoft C
Terminal Emulation: IBM 3270 and
5250 SNA and TELNET, ANSI/VT, TN5250,
TN3270, Screen Mapping
Web-based: dcBrowser™ for HTML ap-
plications

Connectivity
- DHCP Client
- Direct TCP/IP Support
- Sockets interface or terminal
  emulation
- Network Ethernet or Token Ring

Integrated RF Module
Frequency: 2.4 GHz frequency band,
actual frequencies in use vary by country
WLI Forum OpenAir
Type: Frequency Hopping Spread
Spectrum
Data Rate: 1.6 Mbps, .8 Mbps fallback
Range*: From 1500+ ft (450+ m) to 500 ft
(150 m) depending on environment

IEEE 802.11b Wi-Fi Certified
Type: Direct Sequence Spread Spectrum
Data Rate: 11/5.5/2/1 Mbps with Auto
fallback for increased range
Range* at 1 Mbps: From 1750 ft (533 m)
to 165 ft (50 m) depending on
environment
Range* at 11 Mbps: From 525 ft (160 m)
to 80 ft (24 m) depending on
environment
Security: Wired Equivalent Privacy (WEP)
- 64 or 128 bit encryption
*Unlimited range with roaming

Host Support via DCS 300 Server
Host Environment: IBM AS400, 5/390,
Digital, HP, Unix, Windows NT
Connectivity: Ethernet, Token Ring,
100BaseT, Twinax, Coax, SDLC
Communications: TCP/IP, SNA

Accessories
Desktop stand, Desktop power supply,
User's Manual, Programmer's Software Kit
(PSK)

Regulatory Approvals
FCC - Part 15.247 Certified, Canada - RSS
210 Certified, ETS 300 328 Type Approved,
EN 55022 / CISPR 22 Class B, FCC Part 15 &
ICES-003 Class A, SCT Certified, NOM - EM-
121, AS 3548 - C tick Marked, Compliant
with all European Directives, CE Marked
(ETS 300 826), UL Listed, UL 1950, C22.2
#950 & IEC 60529- IP54, TUV GS Licensed,
EN 60950 & EN 60529 - IP54, NYCE Certi-
fied, NOM 19

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Wi-Fi
The Standard for
Wireless Fidelity.

Intermec
expect MORE™

Intermec

Product
Profile

- Compact and economical solution for industrial vehicle mount applications

- Standard development and connectivity tools enable rapid deployment and maximize return on investment

- IEEE 802.11b RF connectivity delivers real-time supply chain information for manufacturing, warehousing, distribution and retail applications

- Wi-Fi™ compliance ensures interoperability and investment protection

- Fast and easy integration options for terminal emulation, client/server, or browser-based applications

2 4 7 5   V E H I C L E   M O U N T   T E R M I N A L

The 2475 is a versatile, high performance and economical terminal for real-time data collection applications using industrial vehicles such as forklift trucks and stock pickers. It is ideally suited for applications such as receipts, cross docking and shipping.

Built to last with a compact die cast aluminum case, the 2475 complies with environmental IP54. The 2475 terminal is designed to withstand the punishments of the typical warehouse application such as constant shock, vibration and power fluctuations common to industrial vehicles. Beyond its ruggedness, the 2475 incorporates the latest IEEE 802.11b Wi-Fi certified radio for premium wireless LAN performance to deliver timely and accurate data for mission critical manufacturing systems.

With the 2475, applications can be developed using industry standard language tools; no proprietary languages to learn and support. The task is even quicker with EZBuilder™, a rapid application development and prototyping tool that requires no programming language expertise at all. The flexible architecture of the 2475 includes integration options for terminal emulation, client/server, or browser-based applications. And as a member of the 2400 family, the 2475 can utilize software that has been deployed to other 2400 terminals, such as the 2435 or 2415 handheld computers without modification.

As with all 2400 series terminals and computers, the 2475 supports the IEEE 802.11b and TCP/IP standards, and can be factory configured with VT/ANSI or IBM terminal emulation. All 2400 series computers support Microsoft® C/C++ programming for client/server applications, in addition to text based browsing via Intermec's acclaimed dcBrowser™, and terminal emulation via Intermec's TE2000 client application.

Additional options for the 2475 include a variety of cabled and wireless laser scanners, wands, up-to-2 MB of additional Flash memory and 2 or 4 MB SRAM for extended programs and data storage.